

Title (en)

Color television camera with two or more solid-state imaging devices.

Title (de)

Farbfernsehkamera mit zwei oder mehr Festkörper-Bildaufnahme-Einrichtungen.

Title (fr)

Caméra de télévision en couleurs comportant deux ou plusieurs dispositifs de prise de vues à l'état solide.

Publication

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Application

EP 84304964 A 19840720

Priority

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- JP 13542883 A 19830725

Abstract (en)

In a color television camera, light ray from an object (o) to be taken is split into a plurality of rays to be respectively incident on a two or more solid-state imaging devices (SID1, SID2) each equipped with a color separation stripe filter (F) where the imaging devices are positioned so that pixels (1) thereof are horizontally shifted by a predetermined distance (P/2) from pixels (2) of remaining imaging devices with respect to an image applied thereto. The imaging devices are driven in a sequence, and output signals therefrom are sampled in a sequence so as to produce a single multi-color video signal by combining the plurality of sampled signal components. With this arrangement, the frequency of color signal componets within the multi-color video signal is increased from the frequency of each of the output signals from the imaging device. The sampled signal components may be further sampled so that a plurality of color signals corresponding to the colors of the color stripe filters are obtained and their levels are respectively adjusted for obtaining level-adjusted color signal which are then combined to produce a single multi-color video signal.

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